

AUG 08 2005

OLIFF & BERRIDGE, PLC

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August 8, 2005

**U.S. PATENT AND TRADEMARK OFFICE
FACSIMILE TRANSMISSION COVER SHEET**

To: In re the Application of Gene M. NITSCHKE Application No.: 09/411,642 Filed: October 4, 1999 For: METHOD AND SYSTEM TO ESTABLISH DEDICATED INTERFACES FOR THE MANIPULATION OF SEGMENTED IMAGES	FOR FILING IN THE U.S. PATENT AND TRADEMARK OFFICE Group Art Unit: 2173 Docket No.: 103045 <i>Appeal # 2003-1585</i>
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Examiner: R. Bayeral

Facsimile: (571) 273-8300

From: Gang Luo

Prepared By: sqb

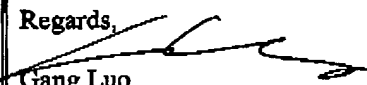
Number of Pages Sent (Including cover sheet): 21

Comments:

Dear Examiner Bayeral:

Thank you for your August 8 telephone call, indicating that the above-identified application has been allowed. As requested, we provide a copy of the February 26, 2002 Office Action in its entirety. Please let me know if you need more documents.

Regards,


Gang Luo

Sent by: _____

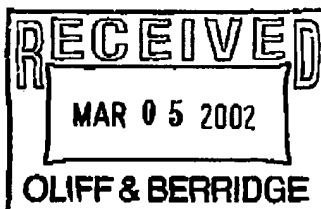
This facsimile is intended only for the use of the U.S. Patent and Trademark Office and contains confidential information. If you are not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are notified that any review, dissemination, distribution or copying of this facsimile is prohibited. If you have received this facsimile in error, please immediately notify us by facsimile or telephone, and return the facsimile to us by mail at the above address.

E-mailed to Xerox 3/5/02**UNITED STATES PATENT AND TRADEMARK OFFICE**

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER OF PATENTS AND TRADEMARKS
 Washington, D.C. 20231
 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/411,642	10/04/1999	GENE M. NITSCHKE	103045	8598

7590 02/26/2002
 OLIFF & BERRIDGE PLC
 P.O. BOX 19928
 ALEXANDRIA, VA 22320



EXAMINER
THAI, CUONG T
ART UNIT
PAPER NUMBER

2173
 DATE MAILED: 02/26/2002

*May 26, 2002***REJECTION**

Please find below and/or attached an Office communication concerning this application or proceeding.

DOCKETED
 By *YMK* on *3/5* *2002*
 and
 By *YMK* on *3/5* *2002*
 Oliff & Berridge

Office Action Summary

Application No.

09/411,642

Applicant(s)

JENE M. NITSCHE

Examiner

DUNG T. THAI

Group Art Unit

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—The MAILING DATE of this communication appears on the cover sheet beneath the correspondence address—

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE THREE MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, such period shall, by default, expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).

Status

- ☐ Responsive to communication(s) filed on _____
- ☐ This action is FINAL
- ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

- ☒ Claim(s) 1 - 21 is/are pending in the application.
- Of the above claim(s) _____ is/are withdrawn from consideration.
- ☐ Claim(s) _____ is/are allowed.
- ☒ Claim(s) 1 - 21 is/are rejected.
- ☐ Claim(s) _____ is/are objected to.
- ☐ Claim(s) _____ are subject to restriction or election requirement.

Application Papers

- ☒ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.
- ☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.
- ☐ The drawing(s) filed on _____ is/are objected to by the Examiner.
- ☐ The specification is objected to by the Examiner.
- ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119 (a)-(d)

- ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
 - ☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been received.
 - ☐ received in Application No. (Series Code/Serial Number) _____
 - ☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

Attachment(s)

- ☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). 5
- ☐ Interview Summary, PTO-413
- ☒ Notice of Reference(s) Cited, PTO-892
- ☐ Notice of Informal Patent Application, PTO-152
- ☒ Notice of Draftsperson's Patent Drawing Review, PTO-948
- ☐ Other _____

Office Action Summary

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Part III DETAILED ACTION

Specification

1. Claims 1-21 are presented for examination.
2. Applicant is reminded of the duty to fully disclose information under 37 CFR 1.56.
3. The Examiner have considered both Information Disclosure Statement filed on Oct/04/1999 (Paper # 2) and Mar/02/2001 (Paper # 5). However, Examiner only return PTO-1449 corresponding to Mar/02/2001 along with this Action because there is no form PTO-1449 for Oct/04/1999.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the

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differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

5. Claims 1-3, 6, 9-14, 16 and 21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yair (USPN: 5,787,194) in view of Goldberg (USPN: 6,341,183).

As per claims 1(system), 10(storage-medium), and 12(method); Yair teaches a system that assembles a dedicated user interface that allows an input segmented image to be manipulated comprising:

a segmentation classification association circuit taht associates a segmentation classifier and at least one segment of the input segmented image is taught by Yair as the technique of provides image processing apparatus for segmenting an input image into image portions each containing a single character, the apparatus comprising identification logic for identifying connected components in the input image; classification logic for determining into which of a number of predefined classes a connected component falls (see column 2, lines 8-14);

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Yair, however, does not disclose the limitation of an image processing tool association circuit that determines at least one image processing tool corresponding to the segmentation classifier;

Goldberg discloses the limitation of an image processing tool association circuit that determines at least one image processing tool as the technique of an event-driven graphical user interface (GUI)-based image acquisition interface for the interactive data language programming environment developed by Research Systems, Inc. (See column 2, lines 21-25) which include Analysis Toobbox. Advantageously, a toolbox of various analytical tools can be incorporated into the GUI-based image acquisition interface (see column 8, lines 25-28);

It would have been obvious to one having ordinary skilled in the art at the time the invention was made to include the limitation of an image processing tool association circuit that determines at least one image processing tool by Goldberg into that of Yair's segment classifier invention. By doing so, the system would enhance by providing real-time data analysis support for images acquired during the alignment of image acquisition analysis.

As per claims 2(system), 11(storage-medium), and 13(method); Yair discloses the invention substantially as claimed. Yair,

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however, does not disclose the limitation of a user interface assembly circuit that assemble at least one selectable interface widget into at least one user interface based on the at least one image processing tool corresponding to the segmentation classifier;

Goldberg discloses the limitation of a user interface assembly circuit that assemble at least one selectable interface widget into at least one user interface based on the at least one image processing tool as the technique of an event-driven graphical user interface (GUI)-based image acquisition interface for the interactive data language programming environment developed by Research Systems, Inc. (See column 2, lines 21-25) which include Analysis Toolbox. Advantageously, a toolbox of various analytical tools can be incorporated into the GUI-based image acquisition interface (see column 8, lines 25-28) wherein the GUI interface program of the presentation provides the following features: pulldown menu, commonly used hardware binning options 14 are available, the available detector speeds 16 are available from a pulldown menu (see column 4, lines 22-31) and in order to switch quickly from one set of parameters to another, the user pushes only one button 28 (see column 4, lines 50-52);

It would have been obvious to one having ordinary skilled in the art at the time the invention was made to include the limitation of a user interface assembly circuit that assemble at

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least one selectable interface widget into at least one user interface based on the at least one image processing tool by Goldberg into that of Yair's segment classifier invention. By doing so, the system would enhance by providing better processing tools in GUI-based interface to end users.

As per claims 3(system) and 14(method); Yair discloses the invention substantially as claimed. Yair, however, does not disclose the limitation of the system modifies the at least one segment based on a selection of the at least one image processing tool associated with the at least one user interface;

Goldberg discloses the limitation of the system modifies the at least one segment based on a selection of the at least one image processing tool associated with the at least one user interface as the technique of Four tools are described herein. They are the Fourier transform Alignment Tool, the Contrast Tool, the Wavefront Tool, and the Zernike Polynomial Tool. It is not difficult to modify the existing tools or add additional tools to expand the capabilities of the toolbox (see column 8, lines 59-63);

It would have been obvious to one having ordinary skilled in the art at the time the invention was made to include the limitation of modifying the at least one segment based on a selection of the at least one image processing tool associated

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with the at least one user interface by Goldberg into that of Yair's segment classifier invention. By doing so, the system would enhance by providing more varieties and selectable processing tools in GUI-based interface to end user wherein the user has capable of selecting tool based on his/her own desired manner.

As per claims 9(system) and 21(method); Yair discloses the invention substantially as claimed. Yair, however, does not disclose the limitation of wherein the dedicated user interface is a graphical user interface comprising at least one of drop-down menu, a pull-down menu, a radio button, a tab button, a segment display area or a slide bar;

Goldberg discloses the limitation of wherein the dedicated user interface is a graphical user interface comprising at least one of drop-down menu, a pull-down menu, a radio button, a tab button, a segment display area or a slide bar as the technique of the GUI interface program of the present invention provides the following features: using a pulldown menu, commonly used hardware binning options 14 are available (see column 4, lines 22-29), modes 26 selected by buttons 28(see column 4, lines 45-46), large GO and STOP buttons (see column 5, line 11), the image size can be scaed for display from 1/4 th size to 8 times large in multiples of 1/4 size using a scroll-bar, or slide 112 (see

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column 5, lines 63-65), and using the pull-down menu 508 at the top of the toolbox window, the direction of the data stripe used to access contrast can be set to vertical or horizontal (see column 9, lines 62-64);

It would have been obvious to one having ordinary skilled in the art at the time the invention was made to include the limitation of wherein the dedicated user interface is a graphical user interface comprising at least one of drop-down menu, a pull-down menu, a radio button, a tab button, a segment display area or a slide bar by Goldberg into that of Yair's segment classifier invention. By doing so, the system would enhance by providing more selectable tools in GUI-based interface to end user wherein the user has capable of selecting tool based on his/her own desired manner.

As per claims 6(system) and 16(method), the limitation of a segmentation selection circuit that selects the at least one segment is taught by Yair as the technique of identifying connected components in the input image; classifying the connected components by determining into which of a number of predefined classes a connected components falls, at least one of said classes indicating that the connected component is most likely to be single character; and iteratively merging and slitting the connected components and reclassifying the resulting

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slit and/or merged connected components until an image segmentation is achieved which meets a predefined criterion (see column 3, lines 42-50). These claims are therefore rejected for the reason as set forth above.

6. Claims 4-5, 15 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yair (USPN: 5,787,194) in view of Goldberg (USPN: 6,341,183) and further in view of Marimont et al. (USPN: 5,710,877) hereinafter Marimont.

As per claims 4(system) and 15(method), Yair-Goldberg disclose the invention substantially as claimed. Yair-Goldberg, however, do not disclose the limitation of a segmentation mapping circuit that determines the at least one segment based on a position of a user input device in the input segmented image;

Marimont discloses the limitation of a segmentation mapping circuit that determines the at least one segment based on a position of a user input device in the input segmented image as the technique of the discovery of a data structure representation of an image called an image structure map (ISM) that accurately and explicitly represents the geometric and topological properties of an image and allows for efficient and accurate spatial indexing of regions of an image (see column 3, lines 9-14). Marimont's image structure map (ISM) invention further

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discloses ~~input~~ signal circuitry is circuitry for providing input signals to the processor from an input signal source. The input signal source may be directed by a human user or by an automatic operation under control of a processor. ~~User~~ input circuitry is circuitry for providing signals based on action of a user. User input circuitry can receive signals from one or more ~~user~~ input devices that provide signals based on actions of a user, such as a keyboard, a mouse, or stylus device (see column 9, lines 53-61). For example, a signal from a user input device indicates a position of an image if the signal includes data from which the position can be uniquely identified (see column 10, lines 4-6);

It would have been obvious to one having ordinary skilled in the art at the time the invention was made to include the limitation of a segmentation mapping circuit that determines the at least one segment based on a position of a user input device in the input segmented image by Marimont into that of Yair-Goldberg combined invention. By doing so, the system would enhance by permitting user interaction with the structures in an original image through image structure mapping.

As per claims 5(system) and 20(method), Yair-Goldberg disclose the invention substantially as claimed. Yair-Goldberg, however, do not disclose the limitation of the segment mapping

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circuit highlights the at least one segment based on the position of a user input device;

Marimont discloses the limitation of the segment mapping circuit highlights the at least one segment based on the position of a user input device as the technique of the method comprises receiving an image interaction signal from the input circuitry indicating an image interaction request from a user to modify an image structure map data structure, referred to as in an image structure map, that spatial indexes a displayed original image. The displayed original image represents an original image data structure, referred to as an original image, having image locations therein specified according to a first coordinate system (see column 5, lines 5-13);

It would have been obvious to one having ordinary skilled in the art at the time the invention was made to include the limitation of the segment mapping circuit highlights the at least one segment based on the position of a user input device by Marimont into that of Yair-Goldberg combined invention. By doing so, the system would enhance by signaling the user to known where is the location of the image structure map from which user will interact with.

7. Claims 7 and 17-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yair (USPN: 5,787,194) in view of

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Goldberg (USPN: 6,341,183) and further in view of Lee et al.
(USPN: 6,026,182) hereinafter Lee.

As per claims 7(system) and 17(method), Yair-Goldberg disclose the invention substantially as claimed. Yair-Goldberg, however, do not disclose the limitation of image processing tool association determines the at least one of predefined configuration association data, updatable configuration association data or user configuration association data;

Lee discloses the limitation of predefined configuration association data as the technique of precompression extrapolation method for extrapolating image features of arbitrary configuration to a predefined configuration (see column 22, lines 47-48);

It would have been obvious to one having ordinary skilled in the art at the time the invention was made to include the limitation of predefined configuration association data by Marimont into that of Goldberg image processing tool and further into that of Yair-Goldberg combined invention. By doing so, the system would enhance by providing predefined configuration tool which available to image processing toolbox to end user.

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As per claim 18, due to the similarity of this claim to that of claim 17, this claim is therefore rejected for the same reason applied to claim 17.

8. Claims 8 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yair (USPN: 5,787,194) in view of Goldberg (USPN: 6,341,183) and further in view of Mahoney (USPN: 6,009,196).

As per claims 8(system) and 19(method), Yair-Goldberg disclose the invention substantially as claimed. Yair-Goldberg, however, do not disclose the limitation of segmentation classifier corresponds to at least one of a photographic region, a half-tone region, a text region, a line art region, a black and white region or a color region;

Mahoney discloses the missing limitation of a text region as the technique of analyzing image data, and more particular to the analysis of image data representing images containing text to classify the types of non-running text regions therein without the need for predefining structure within the image. The invention first employs the characteristics of running text regions to distinguish them from non-running text regions in a page image (see column 1, lines 22-29);

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It would have been obvious to one having ordinary skilled in the art at the time the invention was made to include the limitation of a text region (running text region and non-running text region) by Mahoney into that of Yair-Goldberg combined invention. By doing so, the system would enhance by providing more enhanced classifier tools to end user.

Conclusion

9. The prior art made of record and relied upon is considered pertinent to applicant's disclosure.

10. A shortened statutory period for response to this action is set to expired THREE (3) months, ZERO days from the date of this letter. Failure to respond within the period for response will cause the application to be abandoned. 35 U.S.C. 133.

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cuong T. Thai whose telephone number is 703-308-7234. The examiner can normally be reached on Monday-Friday from 7:30 AM to 4:00 PM.

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Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-3800.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
Washington, D.C. 20231

or faxed to:

(703) 308-9051 (for formal communications intended for entry)

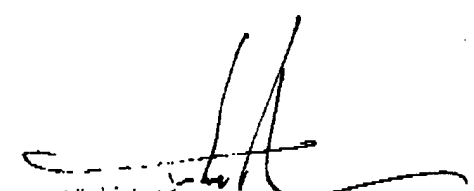
Or:

(703) 308-6606 (for informal or draft communications, please label "PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).

Cuong T. Thai

February 22, 2002


JOHN CABECA
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

Form PTO 948 (Rev. 8-98)

U.S. DEPARTMENT OF COMMERCE - Patent and Trademark Office

Application No.

09/411642

NOTICE OF DRAFTSPERSON'S
PATENT DRAWING REVIEWThe drawing(s) filed (insert date) 10/4/99 are:A. ~~Not~~ approved by the Draftsperson under 37 CFR 1.84 or 1.152.B. ~~Not~~ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:

Black ink. Color.

Color drawings are not acceptable until petition is granted.

Fig(s) _____

Pencil and non black ink not permitted. Fig(s) _____

2. PHOTOGRAPHS. 37 CFR 1.84 (b)

1 full-tone set is required. Fig(s) _____

Photographs not properly mounted (must use bristol board or

photographic double-weight paper). Fig(s) _____

Four quality (half-tone). Fig(s) _____

3. TYPE OF PAPER. 37 CFR 1.84(e)

Paper not flexible, strong, white, and durable.

Fig(s) _____

Erasures, alterations, overwritings, interlineations,

folds, copy machine marks not accepted. Fig(s) _____

Mylar, velum paper is not acceptable (too thin).

Fig(s) _____

4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:

21.0 cm by 29.7 cm (DIN size A4)

21.6 cm by 27.9 cm (8 1/2 x 11 inches)

All drawing sheets not the same size.

Sheet(s) _____

Drawings sheets not an acceptable size. Fig(s) _____

5. MARGINS. 37 CFR 1.84(g): Acceptable margins:

Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm

SIZE: A4 Size

Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm

SIZE: 8 1/2 x 11

Margins not acceptable. Fig(s) 6

Top (T) _____ Left (L) _____

Right (R) _____ Bottom (B) _____

6. VIEWS. 37 CFR 1.84(h)

REMINDER: Specification may require revision to correspond to drawing changes.

Partial views. 37 CFR 1.84(h)(2)

Brackets needed to show figure as one entity.

Fig(s) _____

Views not labeled separately or properly.

Fig(s) _____

Enlarged view not labeled separately or properly.

Fig(s) _____

7. SECTIONAL VIEWS. 37 CFR 1.84 (h)(3)

Hatching not indicated for sectional portions of an object.

Fig(s) _____

Sectional designation should be noted with Arabic or

Roman numbers. Fig(s) _____

8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)

Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____

9. SCALE. 37 CFR 1.104(k)

Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction.

Fig(s) _____

10. CHARACTER OF LINES, NUMBERS, & LETTERS.

37 CFR 1.84(i)

Lines, number & letters not uniformly thick and well defined, clean, durable, and black (poor line quality).

Fig(s) 1-9

11. SHADING. 37 CFR 1.84(m)

Solid black art is pale. Fig(s) _____

Solid black shading not permitted. Fig(s) _____

Shade lines, pale, rough and blurred. Fig(s) _____

12. NUMBERS, LETTERS, & REFERENCE CHARACTERS.

37 CFR 1.84(p)

Numbers and reference characters not plain and legible.

Fig(s) _____

Figure legends are poor. Fig(s) _____

Numbers and reference characters not oriented in the

same direction as the view. 37 CFR 1.84(p)(1)

Fig(s) _____

English alphabet not used. 37 CFR 1.84(p)(2)

Figs _____

Numbers, letters and reference characters must be at least

.32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3)

Fig(s) _____

13. LEAD LINES. 37 CFR 1.84(q)

Lead lines cross each other. Fig(s) _____

Lead lines missing. Fig(s) _____

14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(i)

Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) _____

15. NUMBERING OF VIEWS. 37 CFR 1.84(u)

Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____

16. CORRECTIONS. 37 CFR 1.84(w)

Corrections not made from prior PTO-948

dated _____

17. DESIGN DRAWINGS. 37 CFR 1.152

Surface shading shown not appropriate. Fig(s) _____

Solid black shading not used for color contrast.

Fig(s) _____

COMMENTS

REVIEWER

DATE

TELEPHONE NO.



IDS paper #5

Sheet 1 of 1

Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 103045		APPLICATION NO. 09/411,642	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				RECEIVED MAR 5 2001 Technology Center 2100			
				APPLICANT Gene M. NITSCHKE		GROUP 2173	
FILING DATE October 4, 1999							
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
QT		5,596,690	1/1997	STONE et al.			
QT		5,339,172	8/1994	ROBINSON			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	
QT		EP 0 544 509 A2	6/1993	EUROPE			
QT		WO 99/35819	7/1999	WIPO			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
CT		Sundaramoorthy, G. et al., "Graphical User Interface System for Automatic 3-D Medical Image Analysis", Proceedings of the 5th Annual IEEE Symposium on Computer-Based Medical Systems, New York, June 14-17, 1992, pages 421-428.					
EXAMINER CUONG T. THAI				DATE CONSIDERED FEB 21 2002			
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Notice of References Cited

Application No.

09/411,642

Applicant(s)

GINE M NITSCHKE

Examiner

CHUDNG T. THAI

Group Art Unit

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Page 1 of 2

U.S. PATENT DOCUMENTS

*		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
A		5787194	JUL/28/98	YAIR ✓	382	173
B		6341183	OCT/27/98	GOLDBERG ✓	382	173
C		5710877	JAN/20/98	MARIMONT ET AL	382	173
D		6026182	JUN/4/96	LEE ET AL ✓	382	173
E		6009196	NOV/28/95	MAHONEY ✓	382	176
F		6078936	JUL/12/96	MARTIN ✓	707	527
G		6195459	DEC/17/96	ZHU ✓	382	176
H		5390029	FEB/14/95	WILLIAMS ET AL	358	448
I		5513282	APR/30/96	WILLIAMS	382	303
J		5745596	APR/28/98	JEFFERSON	382	176
K		5751856	MAY/12/98	HIRABAYASHI	382	232
L		5765029	JUN/09/98	SCHWED ET AL	395	61
M		5850474	DEC/15/98	FAN ET AL	382	173

FOREIGN PATENT DOCUMENTS

*		DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS
N							
O							
P							
Q							
R							
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Notice of References Cited

Application No.

09/411,642

Applicant(s)

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U.S. PATENT DOCUMENTS

*	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
*A	5767978	JUN/16/98	REVANKAR ET AL.	358	296
*B	5809179	SEP/15/98	MARIMONT ET AL.	382	254
*C	5850475	DEC/15/98	KASAO	382	173
*D	5874966	OCT/30/95	POLINIENI ET AL.	345	431
*E	5875265	FEB/23/99	KASAO	382	229
*F	5889523	MAR/30/99	WILCOX ET AL.	345	854
G					
H					
I					
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FOREIGN PATENT DOCUMENTS

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N						
O						
P						
Q						
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